Nalini Joshi Elkins and Jim Ashton

Future Technologies for Managers

In the next five years, three areas will be of major importance:

- Data, voice, video integration (DVVI)
- Virtual networking (VN)
- Next Generation Internet (Internet2, IPv6)

How will you plan for these technologies? Are the benefits real? What are the costs – all the costs? Are there security implications? When should you start to move to these new technologies?

We will provide the understanding you need so that you can make an informed decision. As a manager, you need to have the big picture and economics in mind so that your installation can use the new technologies to their full potential.

Audience

This 1 day seminar is designed for managers who are responsible for the troubleshooting, performance measurement, security, analysis, or tuning of their installation's TCP/IP network. You will leave class knowing the costs and benefits of the new technologies. Most importantly, you will have an understanding of the technical issues and how they fit into the larger scheme. You can then decide if or when to implement the technologies in your own installation.

Prerequisite

A basic understanding of TCP/IP and networks is assumed.

Seminar Dates and Location and Prices

For dates and locations and prices, please contact sales@insidethestack.com or call our office at 831-659-8360. This seminar will be held at IBM in Research Triangle Park in North Carolina.

In-house

All seminars are available for in-house instruction.

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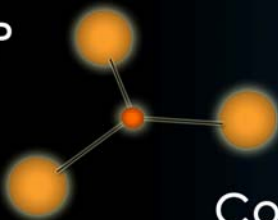
Instructor: Nalini Joshi Elkins(Inside Products)

Nalini Joshi Elkins, of Inside Products, Inc., (www.insidethestack.com), is a recognized leader in the field of computer performance measurement and analysis. In addition to being an experienced software product designer, developer, and planner, she is a formidable businesswoman. She has been the founder and co-founder of two start-ups in the high-tech arena.

During her career Nalini served in groups responsible for network performance design, analysis, troubleshooting, and systems programming. The classes Nalini produces and instructs, and the products she develops are designed with the needs of systems programmers as a key requirement. Nalini has an excellent understanding for the needs of system programmers because she was in their shoes for many years.

While at Chevron, Nalini developed an expert system for diagnosing network hardware problems. The marketing rights for this product were sold to Boole & Babbage (which was later taken over by BMC). Nalini then joined Boole to further develop and support this product. After some time at Boole, Nalini joined some other Boole employees in co-founding a new company – Applied Expert Systems.

As Technical Co-founder at AES, Nalini helped to design and develop a number of products in the SNA and TCP/IP network management area. These products included expert systems for SNA diagnostics, web performance diagnostics, TCP/IP routing diagnosis and TCP/IP network management. She was the Chief Developer of the product IBM first marketed as NetView Performance Monitor for TCP/IP.

Nalini now has her own company, **Inside Products, Inc.** which designs, develops and markets TCP/IP network management software. The products are Inside the Stack TCP/IP monitor, TCP Problem Finder, TCP Response Time Monitor, Enterprise Extender Problem Finder, Availability Checker, and Early Warning System. Inside Products also provides consulting to resolve network problems and TCP/IP tuning. Inside Products has international distributors in Australia, the United Kingdom, Israel, Belgium, Netherlands, and Luxemburg.

Nalini has published numerous articles in publications such as zJournal, Technical Support, Xephon's TCP/IP Update, and Enterprise Systems Journal. Nalini is also a regular speaker at SHARE, both national and regional Computer Measurement Groups (CMGs), and variety of international conferences.

Nalini can be contacted directly at Nalini_Elkins@Insidethestack.com

TCP/IP

Connecting the World

INSIDE PRODUCTS
Thinking Inside the Box
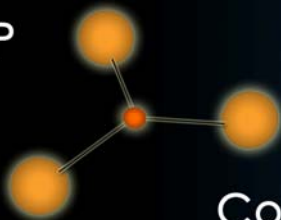
### *Instructor: Jim Ashton(IBM)*

Jim is a consultant with IBM's Network Traffic Analysis (NTA) Services. The NTA team provides IBM customers worldwide network performance related tuning and problem determination consulting services.

Jim retired from IBM in 2003 after 38+ years as a full time employee. He worked on the IBM 360 Systems in the late 1960's initially as a Hardware Engineer and then later as a Program Support Representative. He specialized in the early telecommunications systems, BTAM, QTAM, ITF, etc. and later worked on HASP, VTAM and NCP. Jim moved to IBM RTP in 1970 and worked in product development until the mid 80's when he joined IBM's Network Hardware Division (NHD) as a worldwide field Network and Telecommunications Technical Support Specialist. In the mid 90's Jim joined IBM Global Services (IGS) as an IT Specialist.

Jim's most important career milestones included his 20+ years work on various hardware and software development teams over his IBM career and has shared with the teams the creation of three issued patents and four major technical published papers on the network management of telecommunication systems. He was the IBM Network Products Representative to the SHARE user group for ten years, graduated from the Bell Core Technical Institute, and was a Certified IBM IT Specialist while a regular IGS employee.

Inside Products, which is an IBM Business Partner, working in conjunction with the IBM Network Traffic Analysis Team, can help you tune and troubleshoot Enterprise Extender (EE) networks. Many companies are implementing EE to integrate their legacy SNA networks with TCP/IP.   EE uses the complex embedded HPR/IP protocol - which has eight levels of headers! The strategy is to use the EE Problem Finder product developed by Inside Products and the analytical expertise of the IBM Network Traffic Analysis Team

You may contact the IBM Network Traffic Analysis group at 1-800-876-8801 within the U.S. or 919-254-2262 outside the U.S. Jim can be contacted directly at jla@us.ibm.com.

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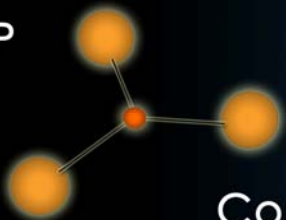
Seminar Outline

The following is a high level outline for this seminar. Since the seminar is constantly being updated, actual seminar content and flow may vary slightly from this outline.

IPv6 Concepts

- How has addressing changed?
- Migration scenarios
- ISP and Internet IPv6 status
- How to get an IPv6 address (ARIN vs. ISP)

IPv6 Security

- How is security different for IPv6?
- IPv6 violations and hacks
- IPSec and IPv6

Internet2

- What is Internet2
- How will it affect the way you do business?

Data, Voice, Video Integration (DVVI)

- Is it really possible or practical?
- Can a single network handle all this and still cost less?
- What will end users gain?
- What part does Unified Fabric play?
- How do Data Center Ethernet and Fiber Channel over Ethernet fit in?
- How do I manage all this?

Virtual Networking (VN)

- How does VN make a single physical resource appear as multiple resources?
- Why not just use VLANs?
- Can VN really do more with less?
- How is operational flexibility increased?
- Is deployment and management really simplified?
- How will virtualization save IT dollars?
- What about energy costs?

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